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RELIABILITY PREDICTION

Model : TP-100 Data:2002-10-16

Style	Part Type	Q'ty	λ_g	π_Q	λ_{eg}	%
9.1	Resistor-Film, Insulated (RL)	8	0.003700	10	0.296000	5.036
9.1	Resistor-Film, Chip (RM)	57	0.003700	10	2.109000	35.881
9.1	Resistor-Wirewound Power (RW)	2	0.008500	10	0.170000	2.892
9.1	Resistor-Film, Variable (RVC)	1	0.040000	10	0.400000	6.805
9.1	Resistor-Thermistor (RTH)	1	0.001400	10	0.014000	0.238
10.1	Capacitor-Metal, Plastic (CH)	8	0.000510	10	0.040800	0.694
10.1	Capacitor-Ceramic(Gen.) (CK)	14	0.001700	10	0.238000	4.049
10.1	Capacitor-Ceramic chip (CDR)	17	0.003500	10	0.595000	10.123
10.1	Capacitor-Aluminum Dry (CE)	12	0.001300	10	0.156000	2.654
6.1	Diode-Gen. Purpose Analog	3	0.003600	8	0.086400	1.470
6.1	Diode-Switching	13	0.000940	8	0.097760	1.663
6.1	Diode-Fast Recovery Power Rectifier	2	0.023000	8	0.368000	6.261
6.1	Diode-Power Rectifier / Schottky Power	8	0.002800	8	0.179200	3.049
6.1	Diode-Voltage Ref/Reg. (Avalanche & Zener)	2	0.003300	8	0.052800	0.898
6.1	Diode-Transient Suppressor/Varistor	1	0.002900	8	0.023200	0.395
6.10	Diode-Thyristor/SCR	1	0.002500	8	0.020000	0.340
6.3	Transistor-NPN/PNP	2	0.000150	8	0.002400	0.041
6.4	Transistor-MOSFET	2	0.014000	8	0.224000	3.811
6.11	OPTO-isolator	2	0.027000	8	0.432000	7.350
6.11	OPTO-Emitter	1	0.000470	8	0.003760	0.064
5.1	Linear Microcircuits	3	0.009500	10	0.285000	4.849
11.1	Transformer Switching	1	0.000610	3	0.001830	0.031
11.2	Coil Fixed inductor or choke	5	0.000032	3	0.000480	0.008
17.1	Single Connections-Reflow solder	405	0.000069	1	0.027945	0.475
17.1	Fuses Clip-Clip Termination	2	0.000120	1	0.000240	0.004
22.1	Fuses	1	0.010000	1	0.010000	0.170
16.1	Plated Through Hole Circuit Boards	1	0.022000	2	0.044000	0.749
Total Failure rate:					5.877815	100%

- **Data Base: MIL-HDBK-217F ,Notice 2, Parts Count**
- **Env.: GB**

MTBF: 170131.25 **hrs**

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